12-2-1988

Microprocessor Clutch Controller and Electro Rheological Clutch

John Wall
Indiana University - Purdue University Fort Wayne

SENIOR DESIGN
TECHNICAL REPORT

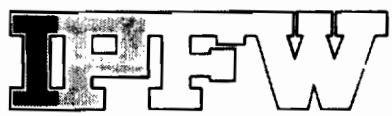
for

MICRO PROCESSOR CLUTCH CONTROLLER AND ELECTRO RHEOLOGICAL CLUTCH.
title

in partial fulfillment of the requirements

for the degree of

BACHELOR OF SCIENCE



presented to the

ELECTRICAL ENGINEERING TECHNOLOGY FACULTY

INDIANA UNIVERSITY-PURDUE UNIVERSITY AT FORT WAYNE

DECEMBER 2, 1988
date

by

JOHN WALL

GRADE: _____

APPROVED: _____

Table of Contents

List of Diagrams

Abstract

of

Micro Processor Clutch Controller and Electro Rheological Clutch.

by John Wall

This paper is designed to offer the design approach and procedure for the development of a Micro Processor Clutch Controller and an Electro Rheological Clutch. The controller is designed to offer different types of operating modes for the clutch, while monitoring the clutch operation. The clutch is a concept design that could offer an alternative to the current Electro Magnetic clutches that are in use today.